

Mission:

To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.

**Rick Scott**

Governor

John H. Armstrong, MD, FACS

State Surgeon General & Secretary

Vision: To be the **Healthiest State** in the Nation

UPDATE ON THE FLORIDA ONSITE SEWAGE NITROGEN REDUCTION STRATEGIES STUDY April 2015

- Florida Onsite Sewage Nitrogen Reduction Strategies study originally authorized in FY 08-09 budget, re-authorized each year, including FY 14-15 budget
- Project purposes:
 - Develop cost-effective, passive strategies for nitrogen reduction by onsite sewage treatment and disposal systems (OSTDS)
 - Characterize nitrogen removal in the soil and shallow groundwater
 - Develop simple models on fate and transport of nitrogen in soil and groundwater
- Contract budget: \$4.7 million
- Contract expenses to date: approximately \$4.4 million
- Contract timeline: January 2009 – June 2015, currently in sixth year

Summary of Cash Available, Expenses, and Balance of Funds

Fiscal Year	Cash	Contract Expenses	Balance
2008-2009	\$800,000 ¹	\$213,727	\$ 586,273
2009-2010	\$0	\$485,720	\$100,553
2010-2011	\$2,000,000	\$742,016	\$1,358,537
2011-2012	\$0	\$678,773	\$679,764
2012-2013	\$1,103,566 ²	\$1,103,566	\$679,764
2013-2014	\$114,772 ³	\$794,536	\$0
2014-2015	\$712,689 ³	\$712,689 ⁴	\$0
TOTAL	\$4,731,027	\$4,731,027	

1 - \$900,000 was appropriated. \$800,000 for contract and \$100,000 for department administration of contract

2 - \$1,500,000 in non-recurring GR of which the contractor only spent \$1,103,566

3 – From DOH Trust Fund

4 – Estimated

5 – Required GR cash and budget authority appropriation based on estimated expenses

- By June 30, 2015 the contract will be complete, and will include:
 - Completion of field monitoring to determine performance and cost of technologies (preliminary results showing 90-95% nitrogen reduction).
 - Calibration and refinement of nitrogen fate and transport models.
 - Model performance evaluation and creation of a user guide for the tool.
 - Data analysis and summary reports.
- Department anticipates having final report addressing all components in the original legislative directive by December 31, 2015.
- Department's Research Review and Advisory Committee (RRAC) has the position that the project should have a longer contract period and receive additional project funding. RRAC will review and provide comments on project reports.
- Project results will develop cost-effective nitrogen reduction strategies that will improve environmental and public health protection.